What is claimed is (US)

- 1. A surface protecting film for polycarbonate, wherein a film substrate having Young's modulus of 1 GPa or more and a pressure sensitive adhesive layer are comprised, the glass transition temperature (Tg) of the pressure sensitive adhesive composing of the adhesive layer being between 40 to 90 °C and the initial 180° peel adhesive strength $(F_{(CO)})$ to polycarbonate being between 10 to 300 mN/25mm.
- 2. The surface protecting film for polycarbonate according to claim 1, wherein assuming a 180° peel adhesive strength to polycarbonate after aging under the heating and pressing (at 70 °C and $20g/cm^2$ for 7 days) as $F_{(hp)}$, and $F_{(hp)}$ and $F_{(co)}$ satisfy the following relational equation (1). $(F_{(hp)} F_{(co)}) / F_{(co)} \leq 3.0$ (1)
- 3. The surface protecting film for polycarbonate according to claim 1 or 2, wherein the shear storage modulus of the pressure sensitive adhesive at any temperature of 20 to 40 °C is set to a value within a range of 5×10^8 to 5×10^{10} dyn/cm².
- 4. The surface protecting film for polycarbonate according to claim 1 or 2, wherein the said pressure sensitive adhesive is made of the three-dimensional cross-linked material comprising the following (A) component and (B) component.
- (A): (meth) acrylate copolymer
- (B): at least one curable agent selected from an energy ray curable agent and a thermosetting agent.

- 5. The surface protecting film for polycarbonate according to claim 4, wherein the said component (B) is a photo curable polyurethane acrylate.
- 6. The surface protecting film for polycarbonate according to claim 4, wherein the said pressure sensitive adhesive is made of the three-dimensional cross-linked material of (meth) acrylate copolymer obtained by using a 15 wt.% or more of monomer having a function group.
- 7. The surface protecting film for polycarbonate according to claim 1, wherein an adhesion improvement layer is provided between the film substrate and the said adhesive layer.
- 8. The surface protecting film for polycarbonate according to claim 1, wherein $F_{(RL)}$ and $F_{(CO)}$ satisfy the following relational equation (2) in assuming that the surface protecting film is laminated with polycarbonate of the polycarbonate laminate comprising an adhesive layer provided on a releasing film and polycarbonate on the adhesive layer and the 180° peel adhesive strength between the releasing film and the polycarbonate laminate as $F_{(RL)}$.

$$F_{(RL)} > F_{(C0)} \qquad (2)$$